

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/053725 A3**

(51) International Patent Classification<sup>7</sup>: C12N 15/11,  
A61K 31/7088

(21) International Application Number:  
PCT/GB2004/005006

(22) International Filing Date:  
26 November 2004 (26.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0327499.0 26 November 2003 (26.11.2003) GB  
0327493.3 26 November 2003 (26.11.2003) GB

(71) Applicant (for all designated States except US): THE  
QUEEN'S UNIVERSITY OF BELFAST [GB/GB];  
University Road, Belfast BT7 1NN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): JOHNSTON,  
Patrick, Gerard [GB/GB]; 10 Garland Hill, Belfast BT8  
6IL (GB). LONGLEY, Daniel [GB/GB]; 24 Woodland  
Ave, Lambeg, Lisburn BT27 4PJ (GB).

(74) Agent: MURGITROYD & COMPANY; Scotland  
House, 165-169 Scotland Street, Glasgow G5 8PL (GB).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

(88) Date of publication of the international search report:  
8 December 2005

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: CANCER TREATMENT

(57) Abstract: The invention relates to methods and compositions for treatment of cancer. In one embodiment the method involves the use of a cFLIP inhibitor as the sole active agent. In another embodiment the invention relates to the treatment of p53 mutant cancers using combinations of cFLIP inhibitors and chemotherapeutic agents.

WO 2005/053725 A3